BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

NO:BBMP/EE/YNK.D/EPMT-02/2020-21 Dt:06-5-2020

MODIFIED APPROVED TENDER SCHEDULE –'B'

Item 15

Name of Work :- Construction of Public Toilet at NES circle in ward no 04 of yelahanka Satellite town sub division

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor	
				Rate	Rate in Words
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. complete as per specifications and site engineer in incharge	Cum	Not Executed		
2	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete as per specifications and site engineer in incharge	Cum	19.32	397.99	Three Hundred NinetySeven Paise NinetyNine Only
3	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms)complete as per specifications and site engineer in incharge	Sqm	45.00	97.51	NinetySeven Paise FiftyOne Only
4	Steel work in all types of Sections upto a Height of 5m above plinth level excluding Cutting of Rivet. - A.Including dismembering." complete as per specifications and site engineer in incharge	tonne	Not Executed		
5	.Dismantling plastering and removing the debris with a lead upto 200m. (complete as per specifications and site engineer in incharge	Sqm	65.00	41.95	FourtyOne Paise NinetyFive Only
6	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per specifications and site engineer in incharge	Cum	19.32	70.53	Seventy Paise FiftyThree Only
7	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications and site engineer in incharge	Cum	98.84	509.11	Five Hundred Nine Paise Eleven Only

8	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift.complete as per specifications and site engineer in incharge	Cum	2.70	2754.22	Two Thou Seven Hundred FiftyFour Paise TwentyTwo Only
9	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and site engineer in incharge	Cum	13.23	5785.11	Five Thousand Seven Hundred EightyFive Paise Eleven Only
			3.98	5784.57	Five Thousand Seven Hundred Eighty Four Paise Fifty Seven Only
10	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and site engineer in incharge	Cum	6.53	6147.96	Six Thousand One Hundred FourtySeven Paise NinetySix Only
			2.52	6147.38	Six Thousand One Hundred FourtySeven Paise Thirty
11	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Cum	23.83	5211.36	Five Thousand Two Hundred Eleven Paise ThirtySix Only
12	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications and site engineer in incharge	Cum	0.63	6682.92	Six Thousand Six Hundred EightyTwo Paise NinetyTwo Only
13	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications and site engineer in incharge	Cum	48.21	227.91	Two Hundred TwentySeven Paise NinetyOne Only
14	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per specifications and site engineer in incharge	Cum	40.82	70.43	Seventy Paise FourtyThree Only
15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm	39.36	292.54	Two Hundred NinetyTwo Paise FiftyFour Only

16	Providing and removing centering, shuttering, shutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm	53.52	405.93	Four Hundred Five Paise NinetyThree Only
17	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm	46.80	517.05	Five Hundred Seventeen Paise Five Only
18	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labourcomplete as per specifications and site engineer in incharge	Sqm	34.36	331.96	Three Hundred ThirtyOne Paise NinetySix Only
19	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications and site engineer in incharge	sqm	7.39	856.08	Eight Hundred FiftySix Paise Eight Only
			6.80	856.01	Eight Hundred FiftySix Paise One Only
20	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrscomplete as per specifications and site engineer in incharge	sqm	115.50	453.55	Four Hundred FiftyThree Paise FiftyFive Only
			23.00	453.51	Four Hundred FiftyThree Paise FiftyOne Only
21	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing,complete as per specifications and site engineer in incharge	Cum	16.86	6590.18	Six Thousand Five Hundred Ninety Paise Eighteen Only
22	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum with superplastisiser @3lts confirming to IS		6.15	6854.37	Six Thousand Eight Hundred FiftyFour Paise ThirtySeven Only

	9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per	Cum	5.00	6653.72	Six Thousand Eight Hundred FiftyThree Paise Seventy Two Only
23	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pcomplete as per specifications and site engineer in incharge	Cum	22.21	6233.00	Six Thousand Two Hundred ThirtyThree Only
24	Providing TMT bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and site engineer in incharge	tonne	4.95	80467.77	Eighty Thousand Four Hundred SixtySeven Paise SeventySeven Only
25	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572 2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications and site engineer in incharge	Sqm	87.19	1034.10	One Thousand ThirtyFour Paise Ten Only
			18.29	1034.01	One Thousand ThirtyFour Paise One Only
26	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572 2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications and site engineer in incharge	Sqm	102.42	919.56	Nine Hundred Nineteen Paise FiftySix Only
27	Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm	105.78	295.94	Two Hundred NinetyFive Paise NinetyFour Only
28	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm	116.03	231.81	Two Hundred ThirtyOne Paise ThirtyOne Only
			288.58	231.29	Two Hundred ThirtyOne Paise Twenty Nine Only

29	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm	105.85	255.12	Two Hundred FiftyFive Paise Twelve Only
			42.64	255.10	Two Hundred FiftyFive Paise Ten Only
30	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm	358.60	232.44	Two Hundred ThirtyTwo Paise FourtyFour Only
			46.01	232.43	Two Hundred ThirtyTwo Paise FourtyThree Only
31	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc.complete as per specifications and site engineer in incharge	Sqm	221.88	88.44	EightyEight Paise FourtyFour Only
			182.73	88.44	EightyEight Paise FourtyFour Only
32	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and site engineer in incharge	Sqm	105.85	102.05	One Hundred Two Paise Five Only
			42.64	102.04	One Hundred Two Paise Four Only
33	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications and site engineer in incharge	Sqm	105.78	385.50	Three Hundred EightyFive Paise Fifty Only
34	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing,complete as per specifications and site engineer in incharge	Sqm	75.88	715.48	Seven Hundred Fifteen Paise FourtyEight Only
35	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and site engineer in incharge	Sqm	75.88	1372.00	One Thousand Three Hundred SeventyTwo Only

36	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour,complete as per specifications and site engineer in incharge	Sqm	214.73	1850.51	One Thousand Eight Hundred Fifty Paise FiftyOne Only
37	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications and site engineer in incharge	Nos	2.00	1548.89	One Thousand Five Hundred FourtyEight Paise EightyNine Only
38	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineriescomplete as per specifications and site engineer in incharge	cum	0.13	99333.47	NinetyNine Thousand Three Hundred ThirtyThree Paise FourtySeven Only
39	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and site engineer in incharge	sqm	4.20	5354.23	Five Thousand Three Hundred FiftyFour Paise TwentyThree Only
40	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM), U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segments, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. complete as per specifications and site engineer in incharge	m	12.80	510.25	Five Hundred Ten Paise TwentyFive Only

41	Providing and fixing factory made single leaf rigid GRP sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to	Sqm	8.40	4308.78	Four Thousand Three Hundred Eight Paise SeventyEight Only
42	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications and site engineer in incharge	sqm	1.28	109.89	One Hundred Nine Paise EightyNine Only
43	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for	Sqm	1.69	5028.81	Five Thousand TwentyEight Paise EightyOne Only
			6.41	5028.33	Five Thousand TwentyEight Paise Thirty Three Only
44	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and site engineer in incharge	Kg	15.95	107.71	One Hundred Seven Paise SeventyOne Only
			154.15	107.71	One Hundred Seven Paise SeventyOne Only

45	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and site engineer in incharge	sqm	1.69	107.71	One Hundred Seven Paise SeventyOne Only
			14.51	107.71	One Hundred Seven Paise SeventyOne Only
46	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) complete as per specifications and site engineer in incharge	cum	33.81	368.51	Three Hundred SixtyEight Paise FiftyOne Only
47	Providing and fixing white vitreous china clay, water closet europeon type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and site engineer in incharge	Each	13.00	5619.56	Five Thousand Six Hundred Nineteen Paise FiftySix Only
48	Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a Single 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labourcomplete as per specifications and site engineer in incharge	Unit	10.00	3570.62	Three Thousand Five Hundred Seventy Paise SixtyTwo Only
49	Providing and fixing white vitreous china clay,flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and site engineer in incharge	Unit	2.00	9153.91	Nine Thousand One Hundred FiftyThree Paise NinetyOne Only
50	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labourcomplete as per specifications and site engineer in incharge	Unit	4.00	1288.10	One Thousand Two Hundred EightyEight Paise Ten Only
51	Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as per specifications and site engineer in incharge	Unit	6.00	837.94	Eight Hundred ThirtySeven Paise NinetyFour Only

52	Providing and fixing 7.5 cms to 15.00 cms dia NP casting 100 mm dia. complete as per specifications and site engineer in incharge	Each	42.00	170.08	One Hundred Seventy Paise Eight Only
53	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. - do - 110 mm dia complete as per specifications and site engineer in incharge	m	Not Executed		
54	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. - do - 160 mm dia complete as per specifications and site engineer in incharge	m	Not Executed		
55	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm. complete as per specifications and site engineer in incharge	Nos	4.00	9626.74	Nine Thousand Six Hundred TwentySix Paise SeventyFour Only
56	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications and site engineer in incharge	Each	2.00	23226.64	TwentyThree Thousand Two Hundred TwentySix Paise SixtyFour Only
57	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and site engineer in incharge	Each	30.00	196.16	One Hundred NinetySix Paise Sixteen Only
58	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leadscomplete as per specifications and site engineer in incharge	Each	15.00	159.87	One Hundred FiftyNine Paise EightySeven Only

	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and site engineer in incharge	Each	3.00	380.98	Three Hu... Eighty ... NinetyEight Only
60	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) page no 99 item no13.86.2 and 13.86.3 20mm nominal OD pipes complete as per specifications and site engineer in incharge	m	40.00	266.46	Two Hundred SixtySix Paise FourtySix Only
61	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) page no 99 item no13.86.2 and 13.86.3 25mm nominal OD pipes complete as per specifications and site engineer in incharge	m	40.00	332.23	Three Hundred ThirtyTwo Paise TwentyThree Only
62	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Short point upto 3m complete as per specifications and site engineer in incharge	Point	25.00	209.98	Two Hundred Nine Paise NinetyEight Only
63	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Medium point above 3m - 6m complete as per specifications and site engineer in incharge	Point	15.00	288.72	Two Hundred EightyEight Paise SeventyTwo Only

	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia, 2mm thick complete as per specifications and site engineer in incharge	Rm	69.40	55.64	FiftyFive Paise SixtyFour Only
65	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 19/20mm dia, 2mm thick complete as per specifications and site engineer in incharge	Rm	67.95	53.54	FiftyThree Paise FiftyFour Only
66	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 25mm dia, 2mm thick complete as per specifications and site engineer in incharge	Rm	46.82	56.69	FiftySix Paise SixtyNine Only
67	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1 - 3 Way complete as per specifications and site engineer in incharge	Each	16.00	99.74	NinetyNine Paise SeventyFour Only
68	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 4 - 5 Way complete as per specifications and site engineer in incharge	Each	8.00	110.23	One Hundred Ten Paise TwentyThree Only
69	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 . 6AMP 3/5 and Switch complete as per specifications and site engineer in incharge	No	3.00	138.58	One Hundred ThirtyEight Paise FiftyEight Only
70	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiringcomplete as per specifications and site engineer in incharge	Each	4.00	157.48	One Hundred FiftySeven Paise FourtyEight Only
71	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 16Amps Combined switch and socket with indication complete as per specifications and site engineer in incharge	No	6.00	203.68	Two Hundred Three Paise SixtyEight Only

72	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 Electronic stepped regulator. complete as per specifications and site engineer in incharge	No	1.00	157.48	One Hundred FiftySeven Paise FourtyEight Only
73	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS- 94:confirming to latest amendments 1.5sqmm complete as per specifications and site engineer in incharge	Rm	90.00	21.05	TwentyOne Paise Five Only
74	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments 2.5sqmm complete as per specifications and site engineer in incharge	Rm	30.00	33.59	ThirtyThree Paise FiftyNine Only
75	Supplying and fixing Metal Fan Box with Round Hook complete as per specifications and site engineer in incharge	Each	1.00	89.24	EightyNine Paise TwentyFour Only
76	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting complete as per specifications and site engineer in incharge	Nos	2.00	314.97	Three Hundred Fourteen Paise NinetySeven Only
77	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm) complete as per specifications and site engineer in incharge	Each	Not Executed		

Signature of the Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.